Installation and Configuration for STD*MIS 5

Contents

1. System versions

There are 2 versions of STD*MIS version 5 based on database format. See below for a description of each version and the appropriate usage of each.

FoxPro - The FoxPro version of STD*MIS 5 uses the FoxPro 3.x database format for data storage. This version requires no additional database management software to run and is suitable for use in a single-user environment or in a network environment with less than 5 concurrent users.

Advantage - The Advantage version of STD*MIS 5 uses the FoxPro 2.x database format for data storage and utilizes the Advantage Database Server software from Sybase Inc. for database management. **This version is required for use in a network environment with 5 or more concurrent users and/or in a network environment with users accessing the system over a wide-area network.** The Advantage environment is a client-server architecture, where the client (STD*MIS) makes data requests of the server and the server receives the requests, processes them, and responds with data. The Advantage version of STD*MIS contains all the client and communication software needed to work with the Advantage Database Server. The Advantage Database Server product must be purchased separately and is available at a number of different price points depending on the number of concurrent user licenses purchased.

2. System Requirements

The system requirements for both versions of STD*MIS version 5 are basically the same and can be seen below. The only difference is that the Advantage version does require purchase and installation of the Advantage Database Server product. Both versions of STD*MIS require access to the SAS statistical analysis package in order to create STD*MIS morbidity reports. See Appendix B for general requirements for the SAS software.

Component	Minimum Requirements
Computer	No specific requirement.
Operating system	Any version of MS Windows
Memory	No specific requirement.
Disk space	25 MB available for installation.
Network	Any Windows-compatible network (Novell, Windows Server, etc.)

2. Installation for a standalone system

The instructions below are for installing STD*MIS 5 as a completely new install. For instructions on upgrading to STD*MIS 5 from previous versions of STD*MIS, please refer to the separate upgrade document.

1. Obtain the install file for the FoxPro version of STD*MIS 5 from the STD*MIS support team. The install file will be a .zip file in compressed format and will contain all the files needed to run the system.

2. Create a folder on the local drive where the STD*MIS system will be installed.

3. Unzip the install file into the newly created folder.

4. Follow the instructions in Appendix A for configuring the workstation for use with STD*MIS.

5. Follow the instructions in Appendix B for configuring STD*MIS to work with the SAS software.

3. Installation on a network without Advantage Database Server

The instructions below are for installing STD*MIS 5 as a completely new install. For instructions on upgrading to STD*MIS 5 from previous versions of STD*MIS, please refer to the separate upgrade document.

1. Obtain the install file for the FoxPro version of STD*MIS 5 from the STD*MIS support team. The install file will be a .zip file in compressed format and will contain all the files needed to run the system.

2. Create a folder on the server drive where the STD*MIS system will be installed.

3. Unzip the install file into the newly created folder.

4. Set all data files in the new folder (those with .dbf, .cdx, and .fpt extensions) to have Shareable and Read/Write attributes.

5. All users who will be accessing the data should have full rights granted to the STD*MIS folder.

6. Each workstation accessing STD*MIS should have a drive letter mapped to the server where the STD*MIS system installed. In addition, each workstation should be configured according to the instructions contained in Appendix A.

7. Novell server – If you install STD*MIS for shared use on a Novell server, all workstations that will be accessing the STD*MIS database using the Novell Netware Client will need to be checked to be sure that local file caching is turned off. This setting is usually located on the Advanced tab under the Novell Network Client Properties.

8. Windows server – STD*MIS will run on any version of Windows server. **However, please note that file sharing for multiple concurrent users is best supported by use of a Windows 2003 server.** If using a Windows 2003 server, there are 2 registry settings on the server that will need to be set in order for the server to properly support file-sharing under STD*MIS. No registry changes are required if running STD*MIS on Windows 2008 or newer servers. The registry changes for a Windows 2003 server are as follows:

   HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters
   EnableOplocks REG_DWORD 0

   The default value for Windows is 1, Oplocks enabled. This key should be set to 0 to disable Oplocks. If the key does not exist in the registry, it needs to be created with a value of 0 in order to disable the default setting.

   HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters
   CachedOpenLimit REG_DWORD 0

The default value for Windows is 5 open files per connection. This should be set to 0 to disable file caching. If the key does not exist in the registry, it needs to be created with a value of 0 in order to disable the default setting.

9. Follow the instructions in Appendix B for configuring STD*MIS to work with the SAS software.

4. Installation on a network with Advantage Database Server

The instructions below are for installing STD*MIS 5 as a completely new install. For instructions on upgrading to STD*MIS 5 from previous versions of STD*MIS, please refer to the separate upgrade document.

1. Purchase the Advantage Database Server software and install it on the server where the STD*MIS system will be installed. Installation instructions for this software are available from the manufacturer. Once the product is installed, start the Advantage Database Server software service on the server.

2. Obtain the install file for the Advantage version of STD*MIS 5 from the STD*MIS support team. The install file will be a .zip file in compressed format and will contain all the files needed to run the system.

3. Create a folder on the server drive where the STD*MIS system will be installed.

4. Unzip the install file into the newly created folder.

5. Set all data files in the new folder (those with .dbf, .cdx, and .fpt extensions) to have Shareable and Read/Write attributes.

6. All users who will be accessing the data should have full rights granted to the STD*MIS folder.

7. Each workstation accessing STD*MIS should have a drive letter mapped to the server where the STD*MIS system installed. In addition, each workstation should be configured according to the instructions contained in Appendix A.

8. Navigate to the STD*MIS folder on the server and locate a file named Ads.ini. This file contains the connection information the Advantage client will use to communicate with the Advantage server software. Edit the file using any text editor.

   The file contains the following text:

   [SETTINGS]

   ADS_SERVER_TYPE = 2

   [myserver]

   LAN_IP = xxx.xxx.xx.xx
   LAN_PORT = 6262

   Replace the entry “myserver” with the name of the server where the Advantage Database Server software is installed. Replace the LAN_IP entry with the IP address of that server.

The Advantage server software defaults to utilizing port 6262 so it is not necessary to change the LAN_PORT setting unless the default Advantage port setting was modified during the installation process due to conflicts etc.

Once the Ads.ini file has been updated and saved, go to any workstation that will be using STD*MIS and start the application. The STD*MIS client will attempt to connect to the Advantage server software and, if unsuccessful, will return an error code describing the connection issue. If a connection error occurs, contact the STD*MIS support team for assistance in resolving the problem.

9. Follow the instructions in Appendix B for configuring STD*MIS to work with the SAS software.

Appendix A - Workstation configuration

There are 2 basic steps to configuring a workstation to run STD*MIS. The first step is to create an icon to access the application. Follow these steps to create the icon:

1. Right click on your Windows Desktop and select New, Shortcut from the popup menus. This will start the Create Shortcut wizard.

2. From within the Create Shortcut wizard, press the Browse button to navigate to your new STD*MIS 5 folder.

3. Locate and click on the file labeled StdMis.exe. Click OK.

4. Next, enter a display name for the icon and click Finish.

5. An icon for STD*MIS should now appear on the desktop. Double-clicking on the icon will start the application.

The next step is to set the display configuration within STD*MIS. When starting STD*MIS 5.x for the first time, the application will use a default font for screen display. On most workstations, this display will be less than optimal. To set the display properly, follow these steps:

1. Start STD*MIS and log in.
2. From the Main Menu, select System Display.
3. Follow the onscreen prompts for changing the display font. You may need to try several fonts before finding one that looks the best.

STD*MIS will use the Windows environmental variable COMPUTERNAME to save the display configuration for the workstation.

Appendix B - Configuration for use with SAS

In order to run the SAS reports included with STD*MIS 5.x, STD*MIS must be able to access the SAS system. SAS is not included with the STD*MIS installation package and must be obtained and installed separately. SAS can be installed either on a local workstation for use by a single user or it can be installed on a network server for use by multiple users. STD*MIS requires SAS version 8.2 or higher. The three SAS modules that are required in order to run the STD*MIS SAS reports are Base SAS, SAS/GRAPH, and SAS/AF.

STD*MIS has two configurable parameters that allow entry of a path to the SAS executable. Setting of the proper path will allow STD*MIS to start the SAS software, transfer control to SAS and to have SAS automatically bring up the SAS STD*MIS report menu. The first parameter is a system-wide setting that will be used as the default setting by all users when attempting to access the STD*MIS SAS reports. This parameter should be used when a copy of SAS has been installed on a network server and is available for use by multiple STD*MIS users. The second parameter is a machine-specific parameter which will override the system-wide parameter. This parameter should be used when a user has SAS installed on their local machine. See below for instructions for setting each parameter.

Setting the system-wide parameter

1. Using the appropriate tool, map a drive to the server where the network version of SAS is installed.
2. Start STD*MIS and log in.
3. From the Main Menu, select Maintenance, Configuration.
4. From the Configuration Menu, select Set up system tables.
5. From the menu, select Update configuration. In the SAS Path field, enter a path to the SAS.exe file. This path should be in the drive:\folder format, e.g., m:\sas\version9\sas.exe.
6. Save the configuration.

Setting the machine-specific parameter

1. Identify the computer name of the workstation being configured. To do this, right-click anywhere on the desktop, select My Computer Info, and note the value contained in the Computer Name field.
2. Start STD*MIS and log in.
3. From the Main Menu, select Maintenance, Configuration.
4. From the Configuration Menu, select Update machine configuration.
5. From the menu, select Modify. Select the appropriate entry for the workstation being configured.
6. In the SAS Path field, enter a path to the local SAS.exe file. This path should be in the drive:\folder format, e.g., c:\sas\version9\sas.exe.

7. Save the record.